

ARTICLES FOR DYNAMIC LOAD APPLICATIONS

ABSTRACT OF THE DISCLOSURE

A vulcanizate derived from a polymer composition comprising three components exhibits improved hot air aging properties and is useful, for example, for the manufacture of articles subject to dynamic loading, such as belting applications. The first component is a polymer having a main polymer chain derived from : (i) at least about 30% by weight of a first monomer which introduces at least one of a secondary carbon and a tertiary carbon to the backbone, and (ii) from 0 to about 70% by weight of at least one other monomer. Preferred are ethylene-alpha-olefin copolymers. The second component is a salt of a strong base and a weak acid, the salt comprising a metal selected from Group I of the Periodic Table of Elements. The third component is an antioxidant.